



# National Weather Service

## Storm Data and Unusual Weather Phenomena



January 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### ILLINOIS, South

ILZ085>094

**Williamson - Saline - Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac**

<b>19</b>	<b>0030CST</b>	<b>0</b>	<b>0</b>	<b>Heavy Snow</b>
	<b>0600CST</b>			

Around four inches of snow fell across extreme southern Illinois, generally south of a line from Carbondale to Carmi. Lesser amounts of two to four inches fell north of there. Most of the snow fell in just a few hours time, when visibility was only around one quarter mile. Since surface temperatures were right near freezing during the event, snow removal was relatively easy. Traffic problems were relatively light because of the late night timing on a weekend. Some of the highest snowfall reports included: 4.5 inches at Grand Chain in Pulaski County, 4.3 inches at Carbondale, and 4 inches at Dixon Springs in Pope County.

ILZ089-092>093

**Johnson - Alexander - Pulaski**

<b>23</b>	<b>2115CST</b>	<b>0</b>	<b>0</b>	<b>30K</b>	<b>Flood</b>
<b>24</b>	<b>0200CST</b>				

Thunderstorms repeatedly moved over the same corridor from Scott County, Missouri northeast across Alexander and Pulaski Counties in Illinois. Rainfall totals were 3 to 5 inches in a few hours' time. In Johnson County, the sheriff's office in Vienna reported 3 inches. Two vehicles were involved in flooding incidents in Johnson County, but no injuries were reported. One of the incidents was in Vienna and the other was southeast of Reevesville. Pulaski County officials reported flooding at State Highways 37 and 169 near Karnak. Numerous other smaller roads were flooded, and at least one was washed out by a creek. Several vehicles and a house were flooded in Mounds.

ILZ093

**Pulaski**

<b>24</b>	<b>1645CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
	<b>2000CST</b>			

Flooding of the Cache River prompted the closure of U.S. Highway 51 between Ullin and Pulaski.

ILZ092>094

**Alexander - Pulaski - Massac**

<b>26</b>	<b>1600CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
<b>31</b>	<b>2359CST</b>			

The Ohio River rose above flood stage along the Illinois side late in January. Flood stage was exceeded downriver from the confluence of the Tennessee River at Paducah. At Brookport, where flood stage is 37 feet, the river crested at 41.1 feet on January 31. This resulted in minor flooding of lowlands, including portions of Fort Massac State Park, where an access road was closed. Further downriver at Grand Chain and Cairo, the crest did not occur before the end of the month.

**Union County**  
**2 NW Anna**

<b>31</b>	<b>1600CST</b>	<b>1</b>	<b>0</b>	<b>Flash Flood</b>
	<b>1800CST</b>			

A 3-year-old child was killed when her grandmother attempted to carry her across a flooded creek on foot. The grandmother was unable to cross the creek in her vehicle, so she attempted to cross on foot. The grandmother lost her footing in the creek, and the child was swept away and drowned. The flooding was caused by a large area of moderate to heavy rain falling on ground that was still moist from flooding rains a week earlier. An observer in Anna measured about 1.7 inches of rain.

F3OU

### INDIANA, Southwest

INZ088

**Spencer**

<b>19</b>	<b>0100CST</b>	<b>0</b>	<b>0</b>	<b>Heavy Snow</b>
	<b>0600CST</b>			

Around four inches of snow fell across a small part of southwest Indiana, mainly along the Ohio River. Spencer County reported an average of four inches, with generally one to three inches north and west of there. Most of the snow fell in a burst lasting about 3



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					Killed	Injured	Property	Crops	

### INDIANA, Southwest

hours. Visibility was occasionally around one quarter mile during that time. Since surface temperatures were within a degree or two of freezing, removal of the snow was relatively easy. Traffic problems were relatively minor because of the timing of the event late at night on a weekend.

### KENTUCKY, Southwest

**KYZ004>005-007>008-010>011-013>016-018>021** **Ballard - Mcracken - Livingston - Marshall - Crittenden - Lyon - Caldwell - Union - Webster - Hopkins - Henderson - Daviess - Mclean - Muhlenberg**

19	0015CST 0700CST	0	0	<b>Heavy Snow</b>
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Four to five inches of snow fell across most of western Kentucky. Due to a mix of sleet and rain, accumulations were 1 to 3 inches in the Tennessee border counties. Most of the snow fell in just a few hours, with visibility only a quarter to half mile during the period of heaviest snow. Since the snow fell mainly after midnight on a weekend, traffic problems were minimal. Surface temperatures during the event were within a degree or two of freezing, which made snow removal relatively easy. A few of the highest snowfall totals reported: 5.5 inches at Calhoun in Mclean County, 5 inches at Owensboro and at Kentucky Dam, and 4.5 inches at Henderson. Snowfall totals in the rest of the heavy snow area were right at 4 inches.

**Livingston County**  
**4 SE Birdsville to**  
**Burna**

23	2115CST	0	0	<b>Thunderstorm Wind (G50)</b>
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Trees were blown down across roads just south of Highway 60.

**KYZ010-015-019** **Crittenden - Webster - Daviess**

23	2200CST	0	0	<b>Flood</b>
24	0500CST			

Thunderstorms repeatedly moved over the same corridor from the Shawnee National Forest of southern Illinois, east across the Kentucky cities of Marion, Providence, and Owensboro. Rainfall totals in this area were in the 3 to 5 inch range. High water was flowing across U.S. Highway 60 in the Rosebud area of Crittenden County. The road was closed until the water receded and debris was cleared. Flooding of roads was reported within the city limits of Providence in Webster County. In Daviess County, 10 secondary roads were closed, and several others had water over them. A pickup truck attempting to cross a flooded stretch of road in Daviess County became trapped in a ditch. The driver, who was not injured, was rescued from the truck by firefighters. Street flooding was common in Owensboro, where some streets in the usual problem areas were barricaded or impassable.

**McLean County**  
**.5 NW Calhoun to**  
**.5 NE Calhoun**

23	2227CST 2230CST	1.8	500	0	0	1M	<b>Tornado (F2)</b>
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Top wind speeds in this F-2 tornado were estimated near 120 MPH. The damage path extended from the extreme northwest side of Calhoun to the extreme northeast side of town. A total of about 53 buildings were damaged or destroyed, of which 43 were homes and 10 were businesses. At least one home and one business was destroyed, 5 houses received major damage, and 4 businesses including a church and daycare center received major damage. The business that was destroyed was a TV antenna/satellite service on Kentucky Highway 81 at the northern city limit of Calhoun. Most of the remainder of the structures received minor damage. In addition to the damaged homes and businesses, barns, grain bins, and at least one shed were destroyed. At the city-owned cemetery, 300 to 350 tombstones were overturned, and 50 trees were uprooted.

**Livingston County**  
**Burna**

23	2351CST	0	0	<b>Hail(0.75)</b>
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<b><u>KENTUCKY, Southwest</u></b>									
<b>Fulton County</b>									
Brownsville to 1 N Fulton	23	2356CST			0	0	4K		Thunderstorm Wind (G55)
Near Brownsville, a trailer was blown over, and the windows of a shed were broken. Just north of Fulton, the porch was blown off a trailer.									
<b>Livingston County</b>									
4 NW Iuka	24	0000CST 0001CST			0	3	75K		Thunderstorm Wind (G78)
A site survey was conducted by National Weather Service meteorologists. It was determined that straight-line winds near 90 MPH affected a small rural area near the intersection of Highway 866 and Country Road. The damage area was about one-half mile long and 500 yards wide. Two mobile homes were moved off their foundations and damaged, and one of those was deroofed. The front porch of a house was destroyed. Shingles were blown off a church and three houses. Two outdoor antennas were bent or destroyed. Ten to 15 trees were blown over, and 5 to 10 tombstones were blown over. Three persons received very minor injuries, such as cuts and scrapes.									
<b>Crittenden County</b>									
.5 NE Marion to Mattoon	24	0010CST			0	0			Thunderstorm Wind (G50)
Trees were blown down northeast of Marion up to Mattoon.									
<b>Lyon County</b>									
Central Portion	24	0015CST			0	0			Thunderstorm Wind (G50)
Highway department officials reported a couple of trees were down on Jack Thompson Road.									
<b>Graves County</b>									
Wingo	24	0017CST			0	0			Thunderstorm Wind (G50)
A state police dispatcher reported trees blown down at the Wingo exit of the Purchase Parkway.									
<b>Caldwell County</b>									
4 NNE Princeton	24	0020CST			0	0	40K		Thunderstorm Wind (G65)
Five residences, two barns, and other outbuildings were damaged. One home lost part of its roof and the entire back porch, which was blown onto the highway. Most of the damage was in the vicinity of Kentucky 293 and Briarfield Road.									
<b>Trigg County</b>									
Cadiz	24	0030CST			0	0	5K		Thunderstorm Wind (G50)
In downtown Cadiz, winds ripped a metal awning off the front of a store. Numerous trees were down in the Muddy Fork Creek area, leaving about 200 homes without power.									
<b>Marshall County</b>									
Aurora	24	0034CST			0	0			Thunderstorm Wind (G50)
Highway department officials reported two trees were down over a road.									
<b>Hopkins County</b>									
Nortonville to White Plains	24	0043CST 0048CST			0	0			Thunderstorm Wind (G50)
Several trees were down about a mile from Nortonville and at White Plains.									
<b>Calloway County</b>									
Countywide	24	0056CST			0	0	5K		Thunderstorm Wind (G50)
Trees and power lines were reported down in the county.									
<b>Muhlenberg County</b>									
Greenville	24	0115CST			0	0			Hail(0.75)
<b>Todd County</b>									
Elkton	24	0135CST			0	0	4K		Thunderstorm Wind (G50)



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### KENTUCKY, Southwest

Large tree limbs were blown down, and shingles were blown off several houses. A television antenna was blown down, knocking a hole in a roof.

#### **Christian County** **9 E Hopkinsville**

<b>24</b>	<b>0145CST</b>	<b>0</b>	<b>0</b>	<b>1K</b>	<b>Thunderstorm Wind (G50)</b>
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Fort Campbell weather personnel reported several trees down along Route 68 just west of the Todd County line

#### **KYZ022**

##### **Todd**

<b>24</b>	<b>0200CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
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Water was reported over the Highway 68/80 bypass near Elkton. A bridge on Stokes Chapel Road was underwater.

#### **KYZ021**

##### **Muhlenberg**

<b>25</b>	<b>0400CST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
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The Green River rose above the 380-foot flood stage at Paradise on January 25. The crest of 384.19 feet occurred on January 27. Minor flooding of lowlands occurred. The river was back within its banks by January 30.

#### **McCracken County** **Countywide**

<b>31</b>	<b>2024CST</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
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**2300CST**

#### **Graves County** **Countywide**

<b>31</b>	<b>2041CST</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
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**2300CST**

#### **Hickman County** **East Central Portion**

<b>31</b>	<b>2041CST</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
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**2300CST**

#### **Carlisle County** **Countywide**

<b>31</b>	<b>2100CST</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
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**2220CST**

In McCracken County, numerous creeks rose out of their banks, inundating a few roadways. The intersection of Kentucky Highway 1322 and Gum Springs Road was blocked by rushing floodwater. Kentucky Highway 994 was blocked by floodwaters from Champion Creek. Street flooding in the typical problem areas occurred in the city of Paducah. At the Carlisle/Hickman County line, Kentucky Highway 80 was closed by flooding. In Graves County, Kentucky Highway 58 was flooded west of Wingo, and at least two streets were closed in Mayfield. In Carlisle County, County Road 1031 near Cunningham and County Road 1127 near Milburn were closed. The flooding was caused by a large area of moderate rain falling on ground that was moist from heavy rain a week earlier. Rainfall at Paducah on January 31 totalled 2.50 inches.

### MISSOURI, Southeast

**MOZ086>087-100-107-  
110>111-114**

#### **Bollinger - Cape Girardeau - Wayne - Carter - Stoddard - Scott - New Madrid**

<b>18</b>	<b>2200CST</b>	<b>0</b>	<b>0</b>	<b>Heavy Snow</b>
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**19 0500CST**

Four to five inches of snow fell across much of southeast Missouri, mainly north of U.S. Highway 60. Along and south of Highway 60, rain and sleet mixed with the snow, holding accumulations to 2 or 3 inches. Most of the snow fell in a heavy burst, lasting 2 or 3 hours, during which time the visibility was frequently one quarter mile or less. Since the snow fell late at night on a weekend, traffic problems were relatively few. Temperatures during the event were within a degree or two of freezing, which made snow removal relatively easy. A few of the heaviest snowfall totals reported: 6 inches at Williamsville in Wayne County, 5 inches at Zalma in Bollinger County, and 4 inches at Bloomfield in Stoddard County.



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### MISSOURI, Southeast

#### Ripley County

2 SW Doniphan	23	1930CST			0	0	Thunderstorm Wind (G50)
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The mayor of Doniphan reported several trees down southwest of town.

#### Butler County

Poplar Bluff	23	1945CST			0	0	Hail(1.75)
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Golf ball size hail was reported by emergency management.

#### MOZ108>111

#### Ripley - Butler - Stoddard - Scott

23	2004CST			0	0	46K	Flood
24	0115CST						

Thunderstorms repeatedly moved over the same corridor from Ripley County east-northeast across the Poplar Bluff area to Scott County. Over the course of a few hours, 3 to 5 inches of rain fell. Personnel at the airport in Doniphan measured 3.2 inches of rain in only 2 hours, and 4.2 inches in 4 hours. Major flooding occurred in Ripley County, where about two dozen roads were washed out. The washouts were at least 8 inches deep. Highway 160 was flooded near several communities, including Fairdealing and Flatwoods. Highway 21 south of Doniphan was also flooded. In Butler County, many roads were inundated, some with 2 to 3 feet of water on them. About 2 inches of water came into the Jaycees building in downtown Poplar Bluff, and water neared homes on 8th and 9th Streets. More than a dozen vehicles stalled out in flooded areas in the Poplar Bluff area, and a mobile home was evacuated due to flooding. Numerous roads were flooded in Stoddard County, including Highway 25 north of Bloomfield. Bloomfield observers reported 3.0 inches of rain, and 4.0 inches was reported in Morley in Scott County.

#### Stoddard County

Advance	23	2207CST			0	0	Hail(1.00)
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#### Stoddard County

1 NW Puxico	23	2216CST			0	0	Thunderstorm Wind (G50)
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A couple of trees were blown down in the Mingo National Wildlife Refuge.

#### Scott County

Chaffee	23	2230CST			0	0	Hail(1.00)
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#### New Madrid County

Gideon	23	2338CST			0	0	2K Thunderstorm Wind (G55)
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A house sustained roof damage and some broken windows.

#### Wayne County

Countywide	31	1544CST 1900CST			0	0	Flash Flood
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#### Carter County

Countywide	31	1549CST 1900CST			0	0	Flash Flood
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#### Ripley County

Countywide	31	1549CST 1900CST			0	0	Flash Flood
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#### Perry County

Perryville	31	1715CST 1815CST			0	0	Flash Flood
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In Ripley County, flooding affected County Road 24 and Highway 142 East. A low water bridge was impassable due to high water flowing over it. In Carter County, flooding of small creeks and rural county roads occurred. Water was over some rural roads in Wayne County. In Perry County, some water was over Highway 61 South at B Highway. The flooding was caused by a large area of moderate to heavy rain associated with a slow-moving cold front. This rain fell on top of ground that was still very moist from flooding rains a week earlier.